

## EAST Search History

| Ref # | Hits | Search Query  | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--------------------|------------------|---------|---------------------|
| L1    | 13   | aggregation with fragmentation with mac   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/07/22<br>10:47 |
| S1    | 1    | ("20050114489").PN.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/02/10<br>09:48 |
| S2    | 1    | payload AND mac AND sub-frames AND (physical near layer)<br>AND (high adj level adj data adj unit)                                | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:17 |
| S3    | 66   | payload AND mac AND subframes AND (physical near layer)   | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:17 |
| S4    | 19   | payload AND mac AND subframes AND (physical near layer)<br>AND encapsulat\$ AND retransmit\$ AND encrypt\$                        | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:19 |
| S5    | 20   | (payload packet)AND mac AND subframes AND (physical<br>near2 layer) AND encapsulat\$ AND retransmit\$ AND encrypt\$               | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:20 |
| S6    | 21   | (payload packet)AND mac AND subframes AND (physical<br>near2 layer) AND encapsulat\$ AND retransmit\$ AND encrypt\$               | US-PGPUB;<br>USPAT | OR               | ON      | 2005/06/22<br>09:20 |
| S7    | 3    | (payload packet)AND mac AND subframes AND (physical<br>near2 layer) AND encapsulat\$ AND retransmit\$ AND encrypt\$<br>AND parity | US-PGPUB;<br>USPAT | OR               | ON      | 2005/06/22<br>09:21 |
| S8    | 73   | (payload packet)AND mac AND frames AND (physical near2<br>layer) AND encapsulat\$ AND retransmit\$ AND encrypt\$ AND<br>parity    | US-PGPUB;<br>USPAT | OR               | ON      | 2005/06/22<br>09:22 |
| S9    | 7    | (payload packet)AND (mac near2 layer)AND frames AND<br>encapsulat\$ AND retransmit\$ AND encrypt\$ AND parity                     | US-PGPUB;<br>USPAT | OR               | ON      | 2005/06/22<br>09:32 |
| S10   | 722  | (370/469).CCLS.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/02/06<br>09:53 |
| S11   | 160  | S10 AND (mac near2 layer)   | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:37 |
| S12   | 49   | S10 AND (mac near2 layer) AND encapsulat\$  | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/06/22<br>09:40 |

|     |      |   |                    |    |     |                     |
|-----|------|---|--------------------|----|-----|---------------------|
| S13 | 1362 | (709/250).CCLS.   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>09:41 |
| S14 | 130  | S13 AND (mac near2 layer)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>09:41 |
| S15 | 15   | (US-20040184481-\$ or US-20040037319-\$ or US-20050122994-\$ or US-20040047351-\$ or US-20040032880-\$ or US-20040008728-\$ or US-20030231658-\$ or US-20030012201-\$ or US-20020118639-\$ or US-20020001314-\$).did. or (US-6839566-\$ or US-6775284-\$ or US-6765885-\$ or US-6735198-\$ or US-6519266-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/23<br>08:35 |
| S16 | 6    | S15 AND encrypt\$   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>14:59 |
| S17 | 4    | S15 AND queue   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>14:43 |
| S18 | 0    | S15 AND (time adj stamp)  | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>15:00 |
| S19 | 558  | payload same (time near stamp)  | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>15:04 |
| S20 | 44   | S10 and (TIME ADJ STAMP)  | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/22<br>15:05 |
| S21 | 15   | (US-20040184481-\$ or US-20040037319-\$ or US-20050122994-\$ or US-20040047351-\$ or US-20040032880-\$ or US-20040008728-\$ or US-20030231658-\$ or US-20030012201-\$ or US-20020118639-\$ or US-20020001314-\$).did. or (US-6839566-\$ or US-6775284-\$ or US-6765885-\$ or US-6735198-\$ or US-6519266-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>14:25 |
| S22 | 1    | S21 AND fcs   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/23<br>08:35 |
| S23 | 353  | frame adj control adj field   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/23<br>08:37 |
| S24 | 6    | S21 AND encrypt\$   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/23<br>09:23 |
| S25 | 1    | S21 AND (encrypt\$ SAME (frame AND header))   | US-PGPUB;<br>USPAT | OR | OFF | 2005/06/23<br>10:05 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S26 | 5    | S21 AND (encrypt\$ AND frame AND header)   | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>10:29 |
| S27 | 12   | ((("20030217182") or ("20020012320") or ("6469992") or ("6430192") or ("6421725") or ("6263445") or ("6246770") or ("6098179") or ("6097703") or ("5481535") or ("5432848") or ("4682324"))).PN. | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>09:48 |
| S28 | 0    | (wo2000/72495).CCLS.   | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>09:48 |
| S29 | 0    | wo2000/72495   | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>09:48 |
| S30 | 6    | ("20020118667"   "5926468"   "5930233"   "5974028"   "6389016"   "6519223").PN. OR ("6765885").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2005/06/23<br>10:05 |
| S31 | 0    | S30 AND encrypt  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2005/06/23<br>10:05 |
| S32 | 718  | (encrypt\$ SAME (frame AND header))  | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>10:05 |
| S33 | 2    | S21 AND (encrypt\$ SAME header)  | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>10:29 |
| S34 | 1076 | (encrypt\$ near2 header)   | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>10:30 |
| S35 | 288  | (encrypt\$ adj header)   | US-PGPUB;<br>USPAT        | OR | OFF | 2005/06/23<br>10:30 |
| S36 | 1395 | encapsulate near (payload datagram content packet)   | US-PGPUB;<br>USPAT        | OR | ON  | 2006/02/06<br>08:39 |
| S37 | 848  | (370/469).CCLS.  | US-PGPUB;<br>USPAT        | OR | OFF | 2006/02/06<br>09:54 |
| S38 | 0    | S37 AND (mac adj layer) AND segment\$ AND (divide with encapsulat\$ with datagram)   | US-PGPUB;<br>USPAT        | OR | ON  | 2006/02/06<br>09:54 |
| S39 | 0    | S37 AND (mac adj layer) AND (divide with encapsulat\$ with datagram)   | US-PGPUB;<br>USPAT        | OR | ON  | 2006/02/06<br>09:54 |
| S40 | 0    | S37 AND (divide with encapsulat\$ with datagram)   | US-PGPUB;<br>USPAT        | OR | ON  | 2006/02/06<br>09:55 |

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| S41 | 28   | S37 AND ( encapsulat\$ with datagram)   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>09:55 |
| S42 | 6    | S37 AND ( encapsulat\$ with datagram) AND mac adj layer   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>09:55 |
| S43 | 13   | (US-20040184481-\$ or US-20040037319-\$ or US-20050122994-\$ or US-20040047351-\$ or US-20040032880-\$ or US-20040008728-\$ or US-20030231658-\$ or US-20030012201-\$ or US-20020118639-\$ or US-20020001314-\$).did. or (US-6839566-\$ or US-6775284-\$ or US-6765885-\$ or US-6735198-\$ or US-6519266-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>09:56 |
| S44 | 15   | (US-20020001314-\$ or US-20020118639-\$ or US-20030012201-\$ or US-20030231658-\$ or US-20040008728-\$ or US-20040032880-\$ or US-20040037319-\$ or US-20040047351-\$ or US-20040184481-\$ or US-20050122994-\$).did. or (US-6519266-\$ or US-6735198-\$ or US-6765885-\$ or US-6775284-\$ or US-6839566-\$).did. | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>09:57 |
| S45 | 2    | S44 AND encapsulat\$ near (content datagram packet data payload)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>09:58 |
| S46 | 1    | ("20050114489").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>10:26 |
| S47 | 1    | S46 AND plurality   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>10:26 |
| S48 | 7531 | forward adj error adj correction  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:56 |
| S49 | 325  | forward adj error adj correction AND osi  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:30 |
| S50 | 1    | greater adj forward adj error adj correction  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:18 |
| S51 | 310  | S48 AND reduce adj errors   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:20 |

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|-----|------|---|--------------------|----|-----|---------------------|
| S52 | 13   | (US-20040184481-\$ or US-20040037319-\$ or US-20050122994-\$ or US-20040047351-\$ or US-20040032880-\$ or US-20040008728-\$ or US-20030231658-\$ or US-20030012201-\$ or US-20020118639-\$ or US-20020001314-\$).did. or (US-6839566-\$ or US-6775284-\$ or US-6765885-\$ or US-6735198-\$ or US-6519266-\$).did. | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>14:25 |
| S53 | 1    | S52 AND forward adj error adj correction  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>14:27 |
| S54 | 1    | S52 AND (forward adj error adj correction fec)  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>14:28 |
| S55 | 7531 | forward adj error adj correction with errors  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:30 |
| S56 | 283  | forward adj error adj correction with errors with reduce  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:47 |
| S57 | 1887 | forward adj error adj correction AND (crc (cyclic adj redundancy adj check))  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:34 |
| S58 | 0    | forward adj error adj correction with (crc (cyclic adj redundancy adj check)) with recovery   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:35 |
| S59 | 132  | forward adj error adj correction with recovery  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>14:35 |
| S60 | 1    | ("6128763").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/06<br>14:47 |
| S61 | 73   | (forward adj error adj correction fec) AND (crc cyclic adj redundancy adj check) AND (arq automatic adj repeat adj request) AND checksum  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/07<br>10:30 |
| S62 | 43   | S48 AND (without adj retransmission)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/06<br>15:05 |
| S63 | 73   | (forward adj error adj correction fec) AND (crc cyclic adj redundancy adj check) AND (arq automatic adj repeat adj request) AND checksum  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/07<br>10:30 |
| S64 | 16   | S63 AND (without near3 retransmission)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/07<br>11:47 |

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|-----|------|--|-------------------------|----|-----|---------------------|
| S65 | 73   | (forward adj error adj correction fec) AND (crc cyclic adj redundancy adj check) AND (arq automatic adj repeat adj request) AND checksum | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>11:47 |
| S66 | 16   | S65 AND (without near3 retransmission)   | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>11:47 |
| S67 | 15   | S66 AND transmission with error  | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>12:04 |
| S68 | 1003 | (714/47).CCLS.   | US-PGPUB;<br>USPAT      | OR | OFF | 2006/02/07<br>12:04 |
| S69 | 904  | (714/48).CCLS.   | US-PGPUB;<br>USPAT      | OR | OFF | 2006/02/07<br>12:05 |
| S70 | 0    | ("L7ANDL8and(FEC<br>(FORWARDADJERRORADJCORRECTION))").PN.  | US-PGPUB;<br>USPAT      | OR | OFF | 2006/02/07<br>12:05 |
| S71 | 0    | S68 AND S69 and (FEC<br>(FORWARDADJERRORADJCORRECTION))  | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>12:05 |
| S72 | 7    | (S68 S69) and (FEC(FORWARDADJERRORADJCORRECTION))  | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>12:15 |
| S73 | 8    | (S68 S69) and (FEC(FORWARD ADJ ERROR ADJ<br>CORRECTION))   | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/07<br>12:15 |
| S74 | 0    | ep929712   | US-PGPUB;<br>USPAT; EPO | OR | ON  | 2006/02/08<br>12:31 |
| S75 | 7    | "929712"   | US-PGPUB;<br>USPAT; EPO | OR | ON  | 2006/02/08<br>12:32 |
| S76 | 1    | ("0929712").PN.  | US-PGPUB;<br>USPAT      | OR | OFF | 2006/02/08<br>12:32 |
| S77 | 4    | sequential adj order with sub-block  | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/08<br>12:58 |
| S78 | 5127 | sub-blocks   | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/08<br>15:55 |
| S79 | 37   | sub-blocks with padding  | US-PGPUB;<br>USPAT      | OR | ON  | 2006/02/08<br>16:01 |

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|-----|-----|---|--------------------|----|-----|---------------------|
| S80 | 18  | (US-20020001314-\$ or US-20020015423-\$ or US-20020118639-\$ or US-20030012201-\$ or US-20030231658-\$ or US-20040008728-\$ or US-20040032880-\$ or US-20040037319-\$ or US-20040047351-\$ or US-20040184481-\$ or US-20050122994-\$).did. or (US-6445717-\$ or US-6519266-\$ or US-6598229-\$ or US-6735198-\$ or US-6765885-\$ or US-6775284-\$ or US-6839566-\$).did.                      | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>08:15 |
| S81 | 0   | S80 AND padding AND sub-block   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>15:58 |
| S82 | 608 | queue with payload  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>16:01 |
| S83 | 30  | queue with payload with encapsulat\$  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>16:15 |
| S84 | 1   | queue with payload with encapsulat\$ AND sub-frame  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>16:14 |
| S85 | 84  | queue near3 encapsulat\$  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>16:16 |
| S86 | 84  | queue near3 encapsulat\$ and QUEUE  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/08<br>16:16 |
| S87 | 1   | ("20030231652").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/09<br>09:06 |
| S88 | 19  | (US-20020001314-\$ or US-20020015423-\$ or US-20020118639-\$ or US-20030012201-\$ or US-20030231658-\$ or US-20040008728-\$ or US-20040032880-\$ or US-20040037319-\$ or US-20040047351-\$ or US-20040184481-\$ or US-20050122994-\$ or US-20050063402-\$).did. or (US-6445717-\$ or US-6519266-\$ or US-6598229-\$ or US-6735198-\$ or US-6765885-\$ or US-6775284-\$ or US-6839566-\$).did. | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/09<br>09:10 |
| S89 | 1   | S88 AND time near stamp   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/09<br>09:26 |
| S90 | 23  | msid AND queue AND session  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/09<br>09:46 |
| S91 | 474 | ((msid mobile adj station adj identifier) (session adj identifier)) and queue AND session   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/09<br>09:47 |

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|------|-----|--|---|----|-----|---------------------|
| S92  | 28  | ((msid mobile adj station adj identifier) (session adj identifier)) with queue   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>09:49 |
| S93  | 28  | ((msid mobile adj station adj identifier) (session adj identifier)) with queue with session  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>10:02 |
| S94  | 0   | ("20000616896").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/09<br>10:03 |
| S95  | 1   | ("1303946").PN.  | US-PGPUB;<br>USPAT; EPO                                   | OR | OFF | 2006/02/09<br>10:03 |
| S96  | 0   | EP1303946  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>10:08 |
| S97  | 0   | EP1303946  | US-PGPUB;<br>USPAT; EPO                                   | OR | ON  | 2006/02/09<br>10:04 |
| S98  | 0   | EP1303946  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>10:08 |
| S99  | 8   | ("1303946").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/09<br>10:09 |
| S100 | 769 | contention adj free  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>14:43 |
| S101 | 128 | contention adj free with packet  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>14:43 |
| S102 | 18  | (US-20020001314-\$ or US-20020015423-\$ or US-20020118639-\$ or US-20030012201-\$ or US-20030231658-\$ or US-20040008728-\$ or US-20040032880-\$ or US-20040037319-\$ or US-20040047351-\$ or US-20040184481-\$ or US-20050122994-\$).did. or (US-6445717-\$ or US-6519266-\$ or US-6598229-\$ or US-6735198-\$ or US-6765885-\$ or US-6775284-\$ or US-6839566-\$).did. | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>14:45 |
| S103 | 0   | S102 AND contention adj free   | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>14:45 |
| S104 | 3   | S102 AND csma  | US-PGPUB;<br>USPAT  | OR | ON  | 2006/02/09<br>14:47 |



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|------|----|--|--------------------|----|-----|---------------------|
| S105 | 18 | (US-20020001314-\$ or US-20020015423-\$ or US-20020118639-\$ or US-20030012201-\$ or US-20030231658-\$ or US-20040008728-\$ or US-20040032880-\$ or US-20040037319-\$ or US-20040047351-\$ or US-20040184481-\$ or US-20050122994-\$).did. or (US-6445717-\$ or US-6519266-\$ or US-6598229-\$ or US-6735198-\$ or US-6765885-\$ or US-6775284-\$ or US-6839566-\$).did. | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>08:15 |
| S106 | 6  | S105 AND encrypt\$   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>08:15 |
| S107 | 6  | S105 AND boundar\$   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>09:52 |
| S108 | 2  | S105 AND boundar\$ AND offset  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>09:52 |
| S109 | 1  | S105 AND boundar\$ same offset   | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>10:46 |
| S110 | 1  | S105 AND frame same boundar\$ same offset  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>10:54 |
| S111 | 3  | offset with byte with (frame adj boundar\$)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>10:54 |
| S112 | 1  | ("20030231652").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/10<br>11:35 |
| S113 | 1  | S105 AND ((time near stamp) (time-stamp))  | US-PGPUB;<br>USPAT | OR | ON  | 2006/02/10<br>11:35 |
| S114 | 18 | mac adj layer SAME fragmentation SAME retransmission   | US-PGPUB;<br>USPAT | OR | ON  | 2008/01/09<br>09:21 |
| S115 | 1  | ("20050135419").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2008/07/21<br>12:19 |
| S116 | 0  | subblock AND mac adj layer AND grouping  | US-PGPUB;<br>USPAT | OR | ON  | 2008/07/22<br>10:06 |

7/ 22/ 2008 1:52:20 PM

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